**1. Complete the following statements.**

|  |  |
| --- | --- |
| **a.** | When adding numbers with different signs, subtract the smaller absolute value from the larger absolute value and take the sign of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **b.** | To add or subtract fractions, you must have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **c.** | Division is multiplying by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |

**2. Which of the following statements is correct?**

|  |  |  |
| --- | --- | --- |
| **a.** | If the numbers have the same signs, then the quotient will be positive. |  |
| **b.** | If the numbers have different signs then the product will be negative. |  |
| **c.** | To add, change to adding the opposite and follow the rules for adding signed numbers. |  |

**Multiple Choices**

**3. Which of the following is correct?**

|  |  |  |
| --- | --- | --- |
| a. | $$\frac{2}{3}+\frac{1}{2}=\frac{3}{5}$$ |  |
| b. | $$\frac{2}{3}+\frac{1}{2}=\frac{5}{6}$$ |  |
| c. | $$\frac{2}{3}+\frac{1}{2}=\frac{7}{6}$$ |  |
| d. | $$\frac{2}{3}+\frac{1}{2}=1\frac{2}{6}$$ |  |

**4**. **Which of the following is correct?**

|  |  |  |
| --- | --- | --- |
| a. | $$\frac{1}{2}-\frac{2}{5}=-\frac{1}{3}$$ |  |
| b. | $$\frac{1}{2}-\frac{2}{5}=\frac{1}{10}$$ |  |
| c. | $$\frac{1}{2}-\frac{2}{5}=\frac{2}{10}$$ |  |
| d. | $$\frac{1}{2}-\frac{2}{5}=\frac{1}{8}$$ |  |

**5. Which of the following is correct?**

|  |  |  |
| --- | --- | --- |
| a. | $$\frac{2}{24}÷\frac{1}{12}=1$$ |  |
| b. | $$\frac{2}{24}÷\frac{1}{12}=4$$ |  |
| c. | $$\frac{2}{24}÷\frac{1}{12}=2$$ |  |
| d. | $$\frac{2}{24}÷\frac{1}{12}=\frac{1}{2}$$ |  |

**ANSWERS**

**1. Complete the following statements.**

|  |  |
| --- | --- |
| **a.** | When adding numbers with different signs, subtract the smaller absolute value from the larger absolute value and take the sign of the larger absolute value. |
| **b.** | To add or subtract fractions, you must have a common denominator. |
| **c.** | Division is multiplying by the reciprocal. |

**2. Which of the following statements is correct?**

|  |  |  |
| --- | --- | --- |
| **a.** | If the numbers have the same signs, then the quotient will be positive. | **T** |
| **b.** | If the numbers have different signs then the product will be negative. | **T** |
| **c.** | To add, change to adding the opposite and follow the rules for adding signed numbers. | **F** |

**Multiple Choice**

**3. Which of the following is correct?**

|  |  |  |
| --- | --- | --- |
| a. | $$\frac{2}{3}+\frac{1}{2}=\frac{3}{5}$$ |  |
| b. | $$\frac{2}{3}+\frac{1}{2}=\frac{5}{6}$$ |  |
| c. | $$\frac{2}{3}+\frac{1}{2}=\frac{7}{6}$$ |  |
| d. | $$\frac{2}{3}+\frac{1}{2}=1\frac{2}{6}$$ |  |

**4**. **Which of the following is correct?**

|  |  |  |
| --- | --- | --- |
| a. | $$\frac{1}{2}-\frac{2}{5}=-\frac{1}{3}$$ |  |
| b. | $$\frac{1}{2}-\frac{2}{5}=\frac{1}{10}$$ |  |
| c. | $$\frac{1}{2}-\frac{2}{5}=\frac{2}{10}$$ |  |
| d. | $$\frac{1}{2}-\frac{2}{5}=\frac{1}{8}$$ |  |

**5. Which of the following is correct?**

|  |  |  |
| --- | --- | --- |
| a. | $$\frac{2}{24}÷\frac{1}{12}=1$$ |  |
| b. | $$\frac{2}{24}÷\frac{1}{12}=4$$ |  |
| c. | $$\frac{2}{24}÷\frac{1}{12}=2$$ |  |
| d. | $$\frac{2}{24}÷\frac{1}{12}=\frac{1}{2}$$ |  |